

CLAIMS

1. A method for examining cancer cells, comprising binding cancer cells separated from the body, which cells express SF-25 antigen on their surfaces, to magnetic beads utilizing antigen-antibody reaction between said cancer cells and an anti-SF-25 antibody or antigen-binding fragment thereof, then collecting said magnetic beads by magnetic force, and examining said cancer cells bound to said magnetic beads.
2. The method according to claim 1, wherein the step of binding said cancer cells to said magnetic beads is carried out by subjecting magnetic beads on which said anti-SF-25 antibody or antigen-binding fragment thereof is immobilized and said cancer cells to antigen-antibody reaction, or by subjecting a labeled or non-labeled anti-SF-25 antibody or antigen-binding fragment thereof and said cancer cells to antigen-antibody reaction, and subsequently thereto or simultaneously therewith, reacting magnetic beads on which a substance that specifically binds to the generated antigen-antibody complex is immobilized with the generated antigen-antibody complex.
3. The method according to claim 1 or 2, wherein said cancer cells are those contained in blood, cerebrospinal fluid, bone marrow, pleural effusion, ascites, pancreatic juice, duodenal juice, bile, feces or urine.
4. The method according to claim 4, wherein said cancer cells are leukemia cells, colon cancer cells, small intestinal cancer cells, gastric cancer cells, esophagus cancer cells, bile duct cancer cells, gallbladder cancer cells, thyroid cancer cells, parathyroid cancer cells, prostate cancer cells, uterine cancer cells, ovarian cancer cells, choriocarcinoma cells, orchioncus cells, bladder cancer cells, renal cancer cells, adrenal cancer cells, brain tumor cells, melanoma cells, skin cancer cells, lung cancer cells, breast cancer cells, pancreatic cancer cells or liver cancer cells.
5. The method according to claim 4, wherein said cancer cells are leukemia cells,

human gastric cancer cells, lung cancer cells, pancreatic cancer cells, colon cancer cells or uterine cancer cells.

6. The method according to claim 5, wherein said cancer cells are leukemic mononuclear cells.

5 7. The method according to any one of claims 1 to 6, wherein the examination is an examination of nucleic acids.

8. A reagent for examination of cancer cells for carrying out said method according to any one of claims 1 to 7, comprising magnetic beads on which an anti-SF-25 antibody or antigen-binding fragment thereof is immobilized.

10 9. Use of the magnetic beads on which an anti-SF-25 antibody or antigen-binding fragment thereof is immobilized for the production of a reagent for examination of cancer cells.